

# INTERNATIONAL SEARCH REPORT

Application No  
PCT/TL2004/000750

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/70 A61K31/732 A61P37/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, MEDLINE, BIOSIS, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>DATABASE WPI Section Ch, Week 198307 Derwent Publications Ltd., London, GB; Class A96, AN 1983-16545K XP002277416 &amp; JP 58 004724 A (MEIJI MILK PROD CO LTD) 11 January 1983 (1983-01-11) abstract</p> <p>-----</p>	1-19
Y	<p>DATABASE WPI Section Ch, Week 200332 Derwent Publications Ltd., London, GB; Class B03, AN 2003-339110 XP002277417 &amp; KR 2002 094 725 A (KT &amp; G CO LTD) 18 December 2002 (2002-12-18) abstract</p> <p>-----</p> <p>-/--</p>	1-19

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

21 April 2005

Date of mailing of the international search report

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>DATABASE WPI  Section Ch, Week 199249  Derwent Publications Ltd., London, GB;  Class A96, AN 1992-403412  XP002277418  &amp; JP 04 300888 A (DAINIPPON INK &amp; CHEM KK)  23 October 1992 (1992-10-23)  abstract</p>	1-19
X	-----	20,22
Y	<p>DATABASE WPI  Section Ch, Week 199441  Derwent Publications Ltd., London, GB;  Class B04, AN 1994-329946  XP002277419  &amp; JP 06 256208 A (FOOD DESIGN GIJUTSU  KENKYU KUMIAI)  13 September 1994 (1994-09-13)  abstract</p>	1-19
Y	<p>DATABASE WPI  Section Ch, Week 199624  Derwent Publications Ltd., London, GB;  Class B04, AN 1996-236112  XP002277420  &amp; JP 08 092303 A (SHOWA SANGYO CO)  9 April 1996 (1996-04-09)  abstract</p>	1-19
Y	<p>ZAPOROZHETS T S ET AL: "[Immunomodulating  properties of pectin from seawater grass  Zostera]"  ANTIBIOTIKI I KHIMIOTERAPIIA = ANTIBIOTICS  AND CHEMOTERAPY [SIC] / MINISTERSTVO  MEDITSINSKOI I MIKROBIOLOGICHESKOI  PROMYSHLENNOSTI SSSR. USSR AUG 1991,  vol. 36, no. 8, August 1991 (1991-08),  pages 31-34, XP009028863  ISSN: 0235-2990  abstract</p>	1-19
Y	<p>FR 2 781 673 A (UNIV PICARDIE)  4 February 2000 (2000-02-04)  page 3, line 5 - page 4, line 6; claims</p>	1-19
Y	<p>PATENT ABSTRACTS OF JAPAN  vol. 012, no. 159 (C-495),  14 May 1988 (1988-05-14)  &amp; JP 62 270532 A (NODA SHIYOKUKIN KOGYO  KK;OTHERS: 01),  24 November 1987 (1987-11-24)  abstract</p>	1-19
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# INTERNATIONAL SEARCH REPORT

Application No.  
PCT/NL2004/000750

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KULKARNI SAVITA ET AL: "Immunostimulant activity of inulin isolated from Saussurea lappa roots." INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol. 63, no. 4, July 2001 (2001-07), pages 292-294, XP009029650 ISSN: 0250-474X abstract page 294, left-hand column, paragraph 2 - right-hand column, paragraph END -----	1-19
X	DATABASE EPODOC EUROPEAN PATENT OFFICE, THE HAGUE, NL; XP002277425 abstract & KR 9 711 556 B (RURAL DEV ADMIN) 12 July 1997 (1997-07-12) -----	1-19
X	US 4 412 946 A (SALLES MARIE-FRANCE ET AL) 1 November 1983 (1983-11-01) column 1, lines 23-46; claims -----	1-19
Y	WO 01/33975 A (BIJLSMA PIETER BRANDT ;GROOT JACQUES ALPHONS (NL); TIMMERMAN JOHA) 17 May 2001 (2001-05-17) page 1, line 29 - page 4, line 30; claims -----	1-19
Y	WO 00/57727 A (BIJLSMA PIETER BRANDT ;GROOT JACQUES ALPHONS (NL); TIMMERMAN JOHA) 5 October 2000 (2000-10-05) page 2, line 27 - page 4, line 15; examples -----	1-19
Y	WO 02/47703 A (HAGEMAN ROBERT JOHAN JOSEPH ;NUTRICIA N V (NL); GRAUS YVO MARIA FR) 20 June 2002 (2002-06-20) page 10, line 3 - page 11, line 19 -----	1-19
Y	US 6 573 245 B1 (MARCIONI DANTE J) 3 June 2003 (2003-06-03) column 2, lines 16-24; claims 14,30 -----	1-19
X	US 2003/022863 A1 (STAHL BERND ET AL) 30 January 2003 (2003-01-30) cited in the application the whole document -----	1-19
X	WO 02/42484 A (SUEDZUCKER AKTIENGESELLSCHAFT MANNHEIM/OCHSENFURT; KUNZ, MARKWART; MUN) 30 May 2002 (2002-05-30) cited in the application page 12, line 13 - page 13, line 11; examples -----	20
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# INTERNATIONAL SEARCH REPORT

Application No  
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 12, 25 December 1997 (1997-12-25) & JP 09 208474 A (POLA CHEM IND INC), 12 August 1997 (1997-08-12) abstract	20
X	----- PATENT ABSTRACTS OF JAPAN vol. 1997, no. 06, 30 June 1997 (1997-06-30) & JP 09 048732 A (POLA CHEM IND INC), 18 February 1997 (1997-02-18) abstract	20
X	----- GB 1 327 740 A (RECHERCHE ET INDUSTRIE THERAPEUTIQUES) 22 August 1973 (1973-08-22) page 1, lines 16-70 page 4, lines 18-50; claims; examples	20
X	----- EP 0 406 685 A (HOECHST AKTIENGESELLSCHAFT) 9 January 1991 (1991-01-09) page 2, line 54 - page 3, line 7; claims -----	20,22

## INTERNATIONAL SEARCH REPORT

Application No.

PCT/NL2004/000750

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 58004724	A	11-01-1983	JP 1502475 C	28-06-1989
			JP 63053969 B	26-10-1988
-----				
KR 2002094725	A	18-12-2002	NONE	
-----				
JP 4300888	A	23-10-1992	NONE	
-----				
JP 6256208	A	13-09-1994	JP 3568214 B2	22-09-2004
-----				
JP 8092303	A	09-04-1996	NONE	
-----				
FR 2781673	A	04-02-2000	FR 2781673 A1	04-02-2000
-----				
JP 62270532	A	24-11-1987	JP 1984636 C	25-10-1995
			JP 7014885 B	22-02-1995
-----				
KR 9711556	B	12-07-1997	KR 9711556 B1	12-07-1997
-----				
US 4412946	A	01-11-1983	FR 2490496 A1	26-03-1982
			AT 6739 T	15-04-1984
			AU 546495 B2	05-09-1985
			AU 7545181 A	25-03-1982
			CA 1151544 A1	09-08-1983
			DE 3162817 D1	26-04-1984
			DK 414981 A ,B,	20-03-1982
			EP 0049182 A1	07-04-1982
			ES 8206186 A1	16-11-1982
			FI 812923 A ,B,	20-03-1982
			HU 185314 B	28-01-1985
			IE 51590 B1	21-01-1987
			JP 1043760 B	22-09-1989
			JP 1558166 C	16-05-1990
			JP 57082322 A	22-05-1982
			PT 73706 A ,B	01-10-1981
			US 4596709 A	24-06-1986
			US 4870053 A	26-09-1989
			ZA 8106463 A	29-09-1982
-----				
WO 0133975	A	17-05-2001	NL 1013175 C2	30-03-2001
			AT 279865 T	15-11-2004
			AU 7971700 A	06-06-2001
			CN 1377235 A	30-10-2002
			DE 60015167 D1	25-11-2004
			EP 1217902 A1	03-07-2002
			ES 2225238 T3	16-03-2005
			JP 2003513893 T	15-04-2003
			WO 0133975 A1	17-05-2001
			US 6730661 B1	04-05-2004
-----				
WO 0057727	A	05-10-2000	NL 1011680 C2	27-09-2000
			AU 3575500 A	16-10-2000
			CN 1345189 A	17-04-2002
			EP 1164874 A1	02-01-2002
			JP 2002539809 T	26-11-2002
			WO 0057727 A1	05-10-2000
			US 6686341 B1	03-02-2004
-----				
WO 0247703	A	20-06-2002	US 2002110606 A1	15-08-2002

# INTERNATIONAL SEARCH REPORT

Application No  
PCT/NL2004/000750

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0247703	A		AU 2551202 A WO 0247703 A2 US 2004097584 A1	24-06-2002 20-06-2002 20-05-2004
US 6573245	B1	03-06-2003	AU 760669 B2 AU 3767699 A CA 2329897 A1 EP 1073667 A2 JP 2002513028 T WO 9955715 A2	22-05-2003 16-11-1999 04-11-1999 07-02-2001 08-05-2002 04-11-1999
US 2003022863	A1	30-01-2003	DE 10006989 A1 AU 4644101 A BR 0108354 A CA 2400244 A1 CN 1404395 A CZ 20022702 A3 WO 0160378 A2 EP 1267891 A2 HU 0300409 A2 JP 2003522796 T MX PA02007970 A NO 20023846 A NZ 520642 A PL 363272 A1 SK 11682002 A3 TR 200202008 T2 ZA 200206177 A	23-08-2001 27-08-2001 11-03-2003 23-08-2001 19-03-2003 15-01-2003 23-08-2001 02-01-2003 28-06-2003 29-07-2003 29-11-2002 11-10-2002 30-04-2004 15-11-2004 04-03-2003 23-12-2002 06-02-2003
WO 0242484	A	30-05-2002	DE 10057976 A1 AU 3318902 A CA 2428473 A1 WO 0242484 A2 EP 1373543 A2 JP 2004519220 T US 2004072791 A1	29-05-2002 03-06-2002 30-05-2002 30-05-2002 02-01-2004 02-07-2004 15-04-2004
JP 09208474	A	12-08-1997	NONE	
JP 09048732	A	18-02-1997	NONE	
GB 1327740	A	22-08-1973	US 3839555 A BE 781028 A4 CA 980251 A1 CY 840 A DE 2214229 A1 FR 2130132 A6 IN 139166 A1 NL 7202698 A	01-10-1974 22-09-1972 23-12-1975 10-09-1976 28-09-1972 03-11-1972 15-05-1976 28-09-1972
EP 0406685	A	09-01-1991	DE 3921761 A1 EP 0406685 A1 IE 902384 A1 JP 3043401 A	03-01-1991 09-01-1991 19-06-1991 25-02-1991